

**ANDERSON BROTHERS PROPERTY
CSM Site Summary****ANDERSON BROTHERS PROPERTY**

Oregon DEQ ECSI #: 970

5275 & 5315 NW St. Helens Road

DEQ Site Mgr: No PM

Latitude: 45.5613°

Longitude: -122.743°

Township/Range/Section: 1N/1E/19

River Mile: 8 East bank

LWG Member

☐ Yes ☒ NoUpland Analytical Data Status: ☐ Electronic Data Available ☒ Hardcopies only**1. SUMMARY OF POTENTIAL CONTAMINANT TRANSPORT PATHWAYS TO THE RIVER**

The current understanding of the transport mechanism of contaminants from the uplands portions of the Anderson Brothers' site to the river is summarized in this section and Table 1, and supported in following sections.

1.1. Overland Transport

The Anderson Brothers' property is located approximately 0.5 mile from the Willamette River. Information on overland transport at this unpaved site was not available in DEQ files. However, the potential for stormwater sheet runoff to reach the river is very low given the distance to the river.

1.2. Riverbank Erosion

Not applicable.

1.3. Groundwater

Groundwater investigations have not been conducted at the site, and groundwater-related preferential pathways have not been reviewed at the site.

1.4. Direct Discharge (Overwater Activities and Stormwater/Wastewater Systems)

There are no overwater activities associated with this site as it located 0.5 mile from the river. Stormwater likely infiltrates the ground, although this has not been confirmed.

1.5. Relationship of Upland Sources to River Sediments

See Final CSM Update.

1.6. Sediment Transport

Not applicable.

2. CSM SITE SUMMARY REVISIONS

Date of Last Revision: May 31, 2005

DO NOT QUOTE OR CITE.

This document currently under review by US EPA and its federal, state and tribal partners, and is subject to change in whole or part.

USEPA SF**1469390**

3. PROJECT STATUS

DEQ recommended a preliminary assessment in 1990 and further evaluation in 1994; however, the site was assigned a low priority, and there has been no further investigation. The facility was placed on the confirmed release list in 1995.

Activity	Date(s)/Comments
PA/XPA	<input type="checkbox"/>
RI	<input type="checkbox"/>
FS	<input type="checkbox"/>
Interim Action/Source Control	<input type="checkbox"/>
ROD	<input type="checkbox"/>
RD/RA	<input type="checkbox"/>
NFA	<input type="checkbox"/>

DEQ Portland Harbor Site Ranking (Tier 1, 2, or 3): Not ranked

4. SITE OWNER HISTORY

Owner/Occupant	Type of Operation	Years
Specialty Truck Parts	Trucking terminal facility	Unknown (early 1990s?)
Northwest Field Services, Inc. (lessee)	Environmental services firm	Unknown (1994 - ?)
Anderson Brothers Property	Trucking and hauling	1959 - 1988
Berry Transportation, Inc. (5315 NW St. Helens)	Truck depot	At least 1949 - ?
M.W. Stanton	Office & grease rack	At least 1949 - ?

5. PROPERTY DESCRIPTION

The Anderson Brothers' property is located approximately 0.5 mile south of the Willamette River at RM 8 (Figure 1). The property is slightly less than 4 acres in size and is located at the base of the undeveloped Portland Hills. There is a paucity of information on this site in DEQ files. Aerial photos reviewed by Integral Consulting, Inc. show that over half of the site is covered with Douglas-fir, western hemlock, and grand fir trees, with 2-3 buildings and piles of miscellaneous materials. One concrete building and two metal fabricated buildings were noted on the property in January 2005 (Sund 2005, pers. comm.). All three buildings were full of miscellaneous debris and trash. Construction trucks, vans, boom trucks, and other vehicles were parked in two separate graveled parking lots. Barb-wired fencing surrounded multiple, large rolls of cable in one of the parking lots (Sund 2005, pers. comm.).

6. CURRENT SITE USE

Little information is available for this property, and its current use is unconfirmed. Specialty Truck Parts was the business most recently listed at this site. The SIC code for Specialty Truck Parts indicates that they also conducted truck repair and maintenance. DEQ records indicate that Specialty Truck Parts was a RCRA hazardous waste handler, but its status has not been updated since 1996. A drive-by in January 2005 confirmed the presence of construction trucks, vans, and other vehicles parked on the site (Sund 2005, pers. comm.).

7. SITE USE HISTORY

Berry Transportation, Inc. and M.W. Stanton constructed a truck depot, offices, and a garage on this site in 1949. Anderson Brothers and later Specialty Truck Parts used the property for trucking and hauling operations for nearly 40 years. While the firm transported primarily bulk oil and gas, agricultural products and dry and bulk freight were also handled. At one time, the company had 30 trucks in operation. All truck repair and service was done on the property. Drums located onsite contained paint, solvents, used motor oil, and varnish (DEQ 2004). A drive-by in January 2005 confirmed the presence of construction trucks, vans, and other vehicles parked on the site, but the operator or lessee is unconfirmed (Sund 2005, pers. comm.).

City records indicate that M.W. Stanton constructed a new office and grease rack on the eastern portion of the site in April 1949 (COP 1949a). Construction included installation of a floor drain, septic tank and leach field on the north portion of the site fronting NW St. Helens Rd. The current status of the septic system is unknown.

Berry Transportation, Inc. constructed a new truck depot and office on the western portion of site in October 1949 (COP 1949b). Site work included the installation of a floor drain, septic tank, leach field, and storm drainage between the building and NW St. Helens Rd. In October 1996, Anderson Brothers decommissioned the old septic tank and installed a new 1,500-gallon holding tank (COP 1996). Discharge from the existing warehouse was rerouted to the holding tank, as well as sanitary flow from a new manufacturing building. Routing of the existing storm drainage is unclear. A seepage trench was constructed to dispose of stormwater drainage from the new building (COP 1997).

Five underground storage tanks present on the property were decommissioned and removed in 1988. A minor amount of soil contamination was observed within the excavation, which was removed to "sight and smell" standards in place at that time. DEQ (2004) also noted that there was a paint spill on the site in 1989. Affected soil was removed, and one soil sample was analyzed for EP toxicity metals. Detection limits for the soil sample analysis for solvents (EPA Method 601) were high due to a significant amount of hydrocarbons present. Three drums of waste and 14 drums of paint-contaminated soil were removed.

DEQ (2004) reported that the site was leased to an environmental consulting firm, Northwest Field Services, in the mid-1990s. Northwest Field Services identified three areas with visual evidence of surface soil contamination. They removed 59 tons of soil from one of these three areas, leaving soil with concentrations of diesel-range hydrocarbons up to 4,100 mg/kg in place in the southern part of the excavation. No additional information about Northwest Field Services' tenure was available in the files. DEQ (2004) placed the site on the confirmed release list in September 1995.

8. CURRENT AND HISTORIC SOURCES AND COPCS

A summary of the current understanding of historic and current potential upland and overwater sources at the site is presented in Table 1. The following sections provide a brief overview of the potential sources and COPCs at the site requiring additional discussion.

8.1. Uplands

Potential upland sources include any remaining surface and subsurface contaminated soils on the property from the paint spill, UST removal, and visual surface soil contamination observed by NW Field Services. Historic discharges to the onsite septic systems and leach fields may have included industrial wastes. The status of the waste disposal systems is not known.

8.2. Overwater Activities

☐ Yes ☒ No

The property is not located adjacent to the Willamette.

8.3. Spills

Known or documented spills at the Anderson Brothers' site were obtained either from DEQ's Emergency Response Information System (ERIS) database for the period of 1995 to 2004, from oil and chemical spills recorded from 1982 to 2003 by the U.S. Coast Guard and the National Response Center's centralized federal database [see Appendix E of the Portland Harbor Work Plan (Integral et al. 2004)], from facility-specific technical reports, or from DEQ correspondence. These spills are summarized below.

Date	Material(s) Released	Volume Spilled (gallons)	Spill Surface (gravel, asphalt, sewer)	Action Taken (yes/no)
1989	Paint	Unknown, 3 drums of waste and 14 paint-drum of contaminated soil were removed in 1989	Soil	Yes

9. PHYSICAL SITE SETTING

9.1. Geology

Available files indicate that no geologic data have been collected at the site.

9.2. Hydrogeology

Available files indicate that no hydrogeologic data have been collected at the site.

10. NATURE AND EXTENT (Current Understanding)

The current understanding of the nature and extent of contamination for the uplands portions of the site is summarized in this section. When no data exist for a specific medium, a notation is made.

10.1. Soil

10.1.1. Upland Soil Investigations

☒ Yes ☐ No

Five underground tanks were decommissioned in 1988. Diesel contamination was removed to "sight and smell" standards then in place. Fourteen drums of contaminated soils associated with the paint spill in 1989 were removed, but according to DEQ (2004), "confirmation sampling failed to quantify remaining contaminants." The property lessee reported visible evidence of petroleum contamination at three locations in 1994. Fifty-nine tons of soil was removed from one of the three areas, but soils with up to 4,100 ppm of diesel were left in place in the southern part of the excavation (DEQ 2004).

One septic tank was decommissioned and filled in 1996 (COP 1996). It is not known whether or not contamination was discovered during this closure.

10.1.2. Riverbank Samples

☐ Yes ☒ No

There are no riverbank data associated with this site.

10.1.3. Summary

Some subsurface contamination remains in the area where five USTs were removed, where visible surface soil petroleum contamination was observed by the lessee, and possibly in the area where the paint spill occurred (DEQ 2004). Historic impacts from the two septic leach fields are not known.

10.2. Groundwater

10.2.1. Groundwater Investigations

☐ Yes ☒ No

Available documents in the DEQ file indicate that no groundwater investigations have been conducted at the site.

10.2.2. NAPL (Historic & Current)

☐ Yes ☐ No

Groundwater impacts at the site, including the presence or absence of NAPL, are unknown.

10.2.3. Dissolved Contaminant Plumes

☐ Yes ☐ No

Groundwater impacts at the site are unknown.

Plume Characterization Status ☐ Complete ☐ Incomplete

Not applicable (N/A). Groundwater data have not been collected at the site.

Plume Extent

N/A. Groundwater data have not been collected at the site.

Min/Max Detections (Current situation)

N/A. Groundwater data have not been collected at the site.

Current Plume Data

N/A. Groundwater data have not been collected at the site.

Preferential Pathways

Groundwater data have not been collected at the site. Consequently, groundwater-related preferential pathways have not been evaluated at the site.

Downgradient Plume Monitoring Points

N/A. Groundwater data have not been collected at the site.

Visual Seep Sample Data

☐ Yes ☒ No

The site is not adjacent to the river, and no seeps are anticipated to be associated with this site.

Nearshore Porewater Data

N/A. The site is not adjacent to the river.

Groundwater Plume Temporal Trend

N/A. Groundwater data have not been collected at the site.

10.2.4. Summary

Available records indicate that no groundwater investigations have been conducted at the site. In addition, insufficient preliminary assessment information is available to determine whether additional investigation at the site is warranted; however, DEQ has identified potential groundwater contamination at the site as a possible environmental health threat (DEQ 2004).

10.3. Surface Water

10.3.1. Surface Water Investigation

☐ Yes ☒ No

The site is not located adjacent to any surface water bodies. No surface water investigations have been conducted at the site.

10.3.2. General or Individual Stormwater Permit (Current or Past)

☐ Yes ☒ No

Do other non-stormwater wastes discharge to the system?

☐ Yes ☒ No

10.3.3. Stormwater Data

☐ Yes ☒ No

The site is located within the drainage basin of City Outfall 19. Non-city stormwater conveyance systems along NW St. Helens Rd. discharge to the City conveyance system leading to City Outfall 19. Current and historic discharges of stormwater to private or public conveyance systems are unknown.

10.3.4. Catch Basin Solids Data

☐ Yes ☒ No

10.3.5. Wastewater Permit

☐ Yes ☒ No

10.3.6. Wastewater Data

☐ Yes ☒ No

Septic tanks and leach fields were constructed on the site in 1949. Impacts of these systems on stormwater or surface water are not known.

10.3.7. Summary

Current and historic discharges of stormwater to private or public conveyance systems are unknown. The Anderson property is located within the drainage basin of City Outfall 19.

10.4. Sediment

10.4.1. River Sediment Data

☐ Yes ☒ No

The site is not located adjacent to the river.

10.4.2. Summary

See Final CSM Update.

11. CLEANUP HISTORY AND SOURCE CONTROL MEASURES

11.1. Soil Cleanup/Source Control

Five underground tanks were decommissioned in 1988, and diesel-contaminated soil was removed to "sight and smell" standards in place at that time. Three drums of waste and 14 drums of paint-contaminated soil were removed in 1989 (DEQ 2004).

11.2. Groundwater Cleanup/Source Control

Available records indicate that no groundwater investigation and cleanup or source control activities have been conducted at the site.

11.3. Other

Various drums and containers were removed from the site in 1989. One septic tank was decommissioned and filled in 1996.

11.4. Potential for Recontamination from Upland Sources

See Final CSM Update.

12. BIBLIOGRAPHY / INFORMATION SOURCES

References cited:

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COP. 1949b. Bureau of Buildings, Report of Plumbing Inspection, Permit 9247. October 20, 1949. Accessed May 4, 2005. City of Portland, OR.

COP. 1996. City of Portland, Environmental Soils Section, Report of Subsurface Sewage Systems, Permit 015515. October 16, 1996. Accessed May 4, 2005. City of Portland, OR.

COP. 1997. Bureau of Buildings, Plumbing Inspection Request Form, Permit PLM96-02664. March 19, 1997. Accessed May 4, 2005. City of Portland, OR.

DEQ. 2004. DEQ Site Summary Report. Environmental Cleanup Site information Database, Accessed June 22, 2004. <http://www.deq.state.or.us/wmc/ecsi/ecsidetail.asp?seqnbr=970>.

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Northwest Field Services. 1994. Site Investigation and Remediation. Anderson Bros. 5315 NW St. Helens Road, Portland, Oregon. Northwest Field Services, Inc., Portland, OR.

Sund, J. 2005. Personal communication (email of 1/9/05 to S. Trevathan, Integral, regarding current status of the Anderson Brothers' site). Integral Consulting, Inc., Portland, WA.

Other relevant references/information sources:

EDR. 2002. EDR Environmental Atlas, Portland Harbor, Multnomah. OR. Environmental Data Resources, Southport, CT.

GSI. 2003. Portland Harbor RI/FS: Upland Groundwater Data Review Report, River Mile 2-11, Lower Willamette River. Prepared for the Lower Willamette Group, Portland, OR. Groundwater Solutions, Inc., Portland, OR.

Figures:

Figure 1. Site Features

Tables:

Table 1. Potential Sources and Transport Pathways Assessment

FIGURES

Figure 1. Site Features

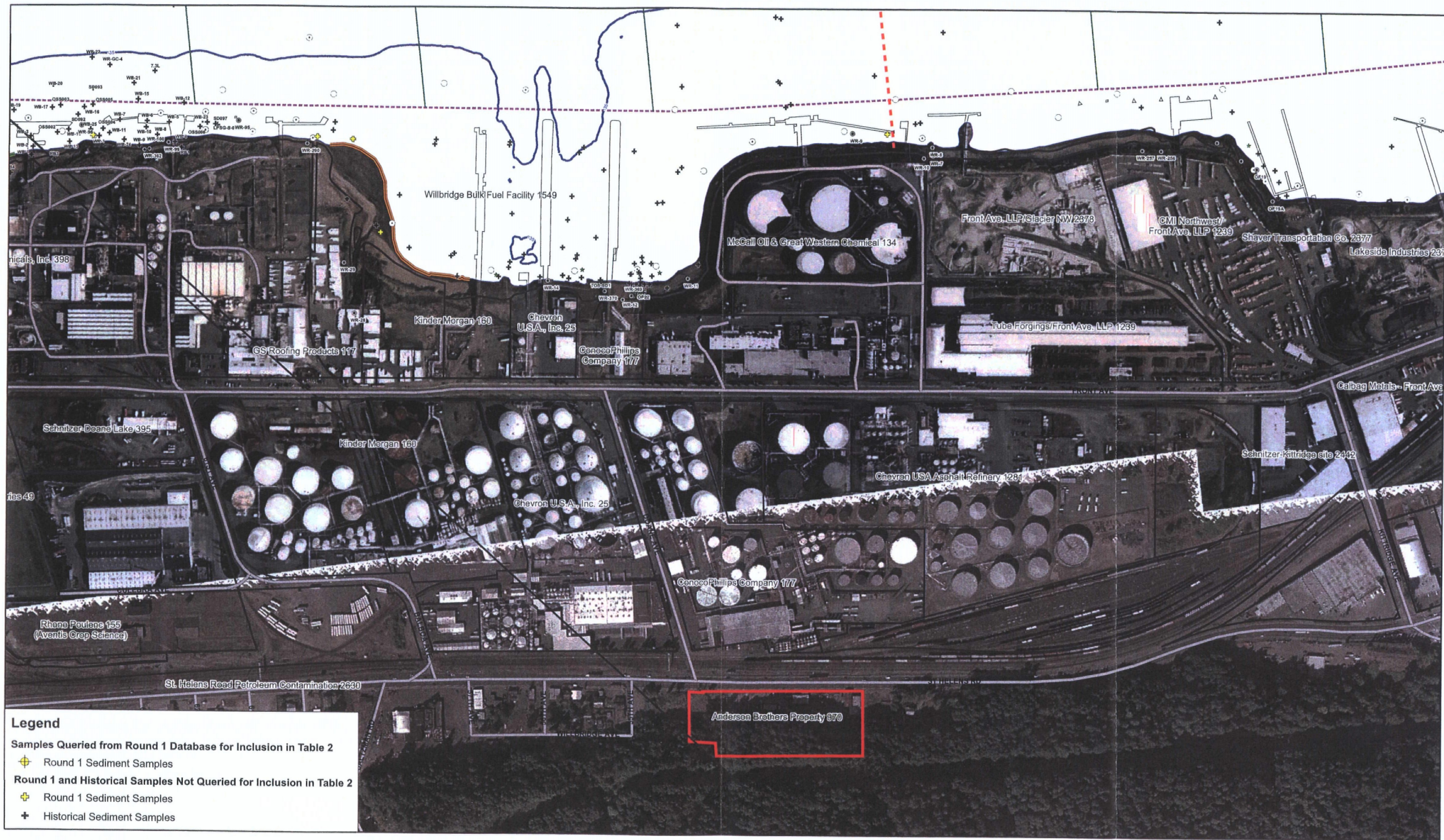


Figure 1-Site Features
 Portland Harbor RI/FS
 Conceptual Site Model
 Anderson Brothers
 ECSI 970

TABLES

Table 1. Potential Sources and Transport Pathways Assessment

Anderson Brothers Property #970

Table 1. Potential Sources and Transport Pathways Assessment

[illegible]

Notes:

All information provided in this table is referenced in the site summaries. If information is not available or inconclusive, a ? may be used, as appropriate. No new information is provided in this table.

✓ = Source, COI are present or current or historic pathway is determined to be complete or potentially complete.

? = There is not enough information to determine if source or COI is present or if pathway is complete.

Blank = Source, COI and historic and current pathways have been investigated and shown to be not present or incomplete.

UST **Underground storage tank**

AST Above-ground storage tank

TPH Total petroleum hydrocarbons

VOCs Volatile organic compounds

SVOCs Semivolatile organic compounds

PAHs Polycyclic aromatic hydrocarbons

BTEX Benzene, toluene, ethylbenzene, and xylenes

PCBs Polychlorinated biphenols